INDEX TO VOLUME 21

AUTHORS INDEX

In this index following the author's name the title of the subject is given as it appeared in the Journal. Editorials are also included in the list and are indicated by (E).

A

ADAMS, C. C. (*See* ANDES, KAMPMEIER, AND ADAMS), 340
ALEXANDER, R. C. (*See* MCEWEN, ALEXANDER, AND BUNIM), 453
—. (*See* MCEWEN, BUNIM, AND ALEXANDER), 465
ALLEN, ALEXANDER J. (*See* SANIGAR AND ALLEN), 969
ANDES, JEROME E., KAMPMEIER, R. H., AND ADAMS, C. C. Studies of plasma proteins and cholesterol, 340
ARMISTEAD, D. B. (*See* FORBES, NEALE, HITE, ARMISTEAD, AND RUCKER), 1036
ARMSTRONG, E. L., AND KUDER, M. L. Limitations of colorimetric analyses by present methods, 181
ASHBY, WINIFRED. Prolonged preservation of antigenic specificity of sheep corpuscles associated with production of a marked increase in resistance to hypotonic solutions, 943
AUERBACH, OSCAR. (*See* FRIEDMAN AND AUERBACH), 93

B

BALYEAT, RAY M., SEYLER, L. EVERETT, AND OUTHIER, VIRGIL. Iodized oil, 187
BARDWELL, KATHLEEN. (*See* BAUMBERGER AND BARDWELL), 179
BAUMBERGER, J. PERCY, AND BARDWELL, KATHLEEN. New method for determination of cutaneous capillary blood pressure, 179
BEEBE, RICHARD T., AND HANLEY, EDWARD P. A method for measuring fragility of erythrocytes in salt solution, 833
BELK, WILLIAM P. Autohemagglutinin, 697
BENNETT, A. L. A synchronous motor electric time clock, 757
BENSLEY, E. H. The interference of nitrites in detection and estimation of urobilinogen in urine, 1195
BISGARD, J. DEWEY. (*See* SHARPE AND BISGARD), 347
BLACK, L. A. (*See* FABER AND BLACK), 1069
BLALOCK, ALFRED, AND BURWELL, C. SIDNEY. Thoracic duct lymph pressure in concretio cordis, 296
BOERNER, FRED, LUKENS, MARGUERITE, AND GILMAN, R. L. A study of relative sensitivity and specificity of Kolmer-Wassermann, Kahn and Eagle precipitation tests, 952
BOWEN, BYRON D., AND LOCKIE, L. MAXWELL. Chronic atrophic arthritis, the effect of a high carbohydrate diet and insulin on the symptoms and respiratory metabolism, 505
BOWMAN, RUSSEL O. A rapid method for routine serum protein determination, 1092
BOYD, ELDON M. The estimation of phospholipid content of white blood cells, 957
BRAKEFIELD, J. L. (*See* CRANE AND BRAKEFIELD), 1203
BRAM, ISRAEL. Quinine test for hyperthyroidism, 123
BRODY, HENRY, SMITH, LAWRENCE W., AND WOLFF, WILLIAM I. Blood grouping in infectious diseases, 705
BROOKS, CLYDE. A new method and a new pipette for blood sedimentation, 971
BUNIM, JOSEPH J. (*See* MCEWEN, ALEXANDER, AND BUNIM), 453
—. (*See* MCEWEN, BUNIM, AND ALEXANDER), 465
BURGE, W. E., ORTH, O. S., NEILD, H. W., KROUSE, R., AND WICKWIRE, G. C. The cause and significance of electronegativity of active living tissue, 1162
BURNS, J. H. (*See* SCHMIDT, EASTLAND, AND BURNS), 13
BURWELL, C. SIDNEY. (*See* BLALOCK AND BURWELL), 296
BUTTS, C. EARL. (*See* HARNE AND BUTTS), 869
BUXBAUM, EDWARD, AND GREENWALD, CHARLES K. A chemical study of alum-diphtheria toxoid precipitate, 157

C

CARTER, J. BAILEY, AND TRAUT, EUGENE F. Auricular flutter with 1:1 response, 670
CASILLI, ARTURO R. A new microreaction for serodiagnosis of syphilis, 1204
CHAPMAN, GEORGE H. (*See* RAWLS AND CHAPMAN), 49
CHEN, GRAHAM. Microdetermination of sodium by uranyl zinc acetate method and titration of uranium with cadmium as reductant, 1198
CLARKE, CARL DAME. Technic of molding and casting for medical sciences, 68
CLIMENKO, DAVID ROBERT. Modification of hematopoietic function in rabbit by certain cyclic compounds, 913
COCA, ARTHUR F. (*See* TOWNSEND AND COCA), 729
COHN, MAURICE L. (*See* CORPER AND COHN), 428
CORPER, H. J., AND COHN, MAURICE L. Mechanical device for preparing fine suspensions of tubercle bacilli and other microorganisms, 428
COULTER, JOHN S. Home treatment of chronic arthritis by physical therapy, 497
COUSINS, RICHARD F. (*See* MOLITCH AND COUSINS), 43
COX, W. V., HAWKINS, J. W., AND ROBERTSON, H. F. Method of estimating both basal and exercise cardiac output on dogs, 192
CRANE, W. H., AND BRAKEFIELD, J. L. A modification of Wright's technic for determination of opsonic index, 1203
CROCKER, WALTER J., AND VALENTINE, ELEANOR H. Hemography in diagnosis of appendicitis based on 500 cases, 883

D

DALEY, FRANCIS H. (*See* HEALY, DALEY, AND SWEET), 698
DAVID, NORMAN A., AND LINCOLN, RALPH A. An inexpensive laboratory timing device, 860
DAVIS, JOHN STAIGE, JR. Protein studies in atrophic (rheumatoid) and hypertrophic arthritis, 478
DAWSON, M. H. (*See* TAYLOR, FERGUSON, KASABACH, AND DAWSON), 491
—, AND TYSON, T. LLOYD. Relationship between rheumatic fever and rheumatoid arthritis, 575

DEFANDORF, JAMES H. Effect of hydrogen ion concentration upon the determination of calcium in blood serum phosphomolybdic acid centrifugates, 65
DEYOUNG, WILLARD. Sources of error in laboratory diagnosis of amebiasis, 1149
DILL, L. V. The effect of obstructive jaundice on blood platelets of rabbit, 899
DINGLE, JOHN H. (*See* NORTON, DINGLE, AND SHENSTONE), 1083
DODGE, KATHARINE G. (*See* SUTTON AND DODGE), 619
DRAGSTEDT, CARL A., AND MILLS, MOORE A. The employment of oxalated plasma in bromsulphalein dye retention test, 1306
DUBOIS, DELAFIELD. (*See* FERGUSON AND DUBOIS), 663

E

EASTLAND, J. S. (*See* SCHMIDT AND EASTLAND), 1, 233
—. (*See* SCHMIDT, EASTLAND, AND BURNS), 13
ELHARDT, W. P. Pain and weather, 1247
ETTELSON, L. N. (*See* WOHL AND ETTELSON), 390

F

FABER, J. E., JR., AND BLACK, L. A. The influence of physiologic salines in complement fixation reactions, 1069
FALK, K. GEORGE. (*See* VALENTINE AND FALK), 257
FALKER, I. DAVID. (*See* KOOPMAN AND FALKER), 308, 312, 808
FELSEN, JOSEPH. Intestinal illuminator, 923
FERGUSON, A. B. (*See* TAYLOR, FERGUSON, KASABACH, AND DAWSON), 491
FERGUSON, JOHN A. (*See* WELCH, MURDOCK, AND FERGUSON), 1264
—, AND DUBOIS, DELAFIELD. Observations on pH of clotting and citrated blood, 663
FETTERMAN, GEORGE H., AND LERNER, HARRY. A fatal case of tularemic pneumonia with associated ileitis, 1157
FINE, JOSEPH. Determination of fibrin by biuret method, 1084
FORBES, J. C., NEALE, R. C., HITE, O. L., ARMISTEAD, D. B., AND RUCKER, S. L. Studies on effect of a high-sulphur low-carbohydrate diet in chronic arthritis, 1036
FOY, HENRY. A simple, efficient, and inexpensive device for drying pipettes and other laboratory glassware, 435
FRAENKEL, E. M., AND PULVERTAFT, R. J. V. Prevention of anaphylactic shock due to horse serum by injection of B.C.G., 359
FRIEDMAN, GEORGE, AND HOLTZ, EDWARD. Behavior of eosinophiles in rheumatic fever, 225
FRIEDMAN, MAX M., AND AUERBACH, OSCAR. An improved Congo red test for amyloidosis, 93

G

GALE, C. K., AND MILLER, DAVID. Bactericidal action of short and ultrashort waves, 31
GALLUP, WILLIS D. A convenient food cup for rats, 1194
GARDNER, RAYMOND E. (*See* MORRISON, GARDNER, AND REEVES), 822
GARRETT, ORVILLE W. (*See* PRICKETT AND GARRETT), 942
GELARIE, ARNOLD J. A mouse box for operating on the tail, 1302
—. A new, one-minute method for staining of spirochetes, spirilla, spermatozoa, and related organisms, 1065
GILMAN, R. L. (*See* BOERNER, LUKENS, AND GILMAN), 952
GLASSBERG, B. Y. Incidence of nondiabetic glycosuria, 152
—. Safely induced fever therapy in a diabetic individual, 820
GOLD, HERMAN. Studies on anthrax, 134
GOOSMANN, CHARLES. Dark-field illumination in diagnosis of tuberculosis and malaria, 421
GOWEN, G. HOWARD. Fluctuations in basophilic aggregation counts with meteorologic alterations, 677
GRAESER, JAMES B., AND ROWE, ALBERT H. Administration of epinephrine by inhalation, 1134
GREEN, LEO. (*See* WILLIAMS AND GREEN), 785
GREENE, JAMES A., AND WARD, MURIEL. Frequency and significance of changes of expiratory chest volume during routine measurement of basal oxygen consumption, 1231
GREENBERG, DAVID M., AND MIROLUBOVA, TATIANA N. Modification in colorimetric determination of plasma proteins by Folin phenol reagent, 431
GREENSPAN, A. (*See* HAZEN AND GREENSPAN), 1185
GREENWALD, CHARLES K. (*See* BUXBAUM AND GREENWALD), 157
GRIFFITH, J. Q., JR., ROBERTS, ELLA, AND JEFFERS, W. A. A staining technic for blood in spinal fluid, 1208
GROAT, WILLIAM A. A general purpose polychrome blood stain, 978

H

HADEN, RUSSELL L. Organization in study and control of rheumatic diseases, 548 (E)
—, AND WARREN, WIRT A. Accelerating factors in chronic hypertrophic arthritis (osteoarthritis), 448
HANLEY, EDWARD P. (*See* BEEBE AND HANLEY), 833
HANSCOM, VIRGINIA. (*See* KOVACS, HARTUNG, AND HANSCOM), 1022
HANZLIK, P. J. (*See* LEHMAN, RICHARDSON, AND HANZLIK), 95
HARNE, O. G., AND BUTTS, C. EARL. Muscle nerve stimulating accessory for Harvard kymographs, 869
HARTUNG, EDWARD F. (*See* KOVACS, HARTUNG, AND HANSCOM), 1022
—. The treatment of atrophic (rheumatoid) arthritis with leucocyte concentrate, 536
HAWKINS, J. W. (*See* COX, HAWKINS, AND ROBERTSON), 192
HAZEN, E. L., AND GREENSPAN, A. A study of nonspecific reactions of cerebrospinal fluids with Bordet and Ruelens antigen in complement fixation test for Syphilis, 1185
—, AND MORTILLARO, MARY. A hitherto undescribed microorganism of alcaligenes group, 710
HEALY, JAMES C., DALEY, FRANCIS H., AND SWEET, MARIAN H. Medical aspects of periodontoclasia and gingivitis, 698
HELLWIG, C. ALEXANDER. Does calcium neutralize thyroxine? 1131
HELWIG, FERDINAND C., AND SCHUTZ, CARL BRYANT. Further contribution to liver-kidney syndrome, 264
HENCH, PHILIP S. The present status of fever therapy in treatment of gonorrheal arthritis, chronic infectious (atrophic) arthritis, and other forms of "rheumatism," 524
HERRMANN, GEORGE. Renal function tests, 989 (E)
HESSELTINE, H. CLOSE. (*See* HOPKINS AND HESSELTINE), 1105, 1113
—, AND HOPKINS, E. W. Fungicides, 288
—, AND NOONAN, W. J. Fungicides, 281
HITCHENS, ARTHUR PARKER. Hematologic nomenclature, 173
HITE, O. L. (*See* FORBES, NEALE, HITE, ARMISTEAD, AND RUCKER), 1036
HOFFMAN, WILLIAM S., AND MANSFIELD, JOSEF V. Significance of serum in organic sulphate concentrations in Bright's disease, 380
HOLTZ, EDWARD. (*See* FRIEDMAN AND HOLTZ), 225
HOPKINS, E. W. (*See* HESSELTINE AND HOPKINS), 288

—, AND HESSELTINE, H. CLOSE. Cultural and morphologic studies of cryptococci and monilias isolated from vulvovaginitis and oral thrush, 1113
—, AND —. Reliability of fermentation tests in indentification of monilias, 1105
HRUBETZ, M. CAROLINE. Blood sugar level after prolonged carbohydrate feeding, 1142
HUNTER, CHARLES A. A rapid method for preparing antigens for Wassermann reaction, 417
HUTTON, JAMES H. Recent advances in endocrine diagnosis and treatment, 736
HYNDMAN, OLAN R., AND PUTNAM, TRACY. A method of three color photography, 850

I

IDE, SOBEI, AND IDE, TAMAO. Ide test—the new color test for syphilis, 1190
IDE, TAMAO. (*See* IDE, SOBEI, AND IDE, TAMAO), 1190
INGERSOLL, WINIFRED. Hemoglobin values in normal adults over a period of time, 787
IRONS, ERNEST E. Introductory remarks, 445
IZQUIERDO, J. J. On chronic hypertension of nervous origin, 235

J

JACKSON, D. E., AND JACKSON, HELEN L. Experimental and clinical observations regarding angina pectoris and some related symptoms, 993
JACKSON, HELEN L. (*See* JACKSON, D. E., AND JACKSON, HELEN L.), 993
JAGLENSKI, T. (*See* MCCULLAGH, JAGLENSKI, AND KLOBUCAR), 732
JAMIESON, W. A. (*See* POWELL AND JAMIESON), 301
JEFFERS, W. A. (*See* GRIFFITH, ROBERTS, AND JEFFERS), 1208
JEKEL, LOUIS G. Diagnosis of carcinoma of stomach from a fragment of tumor obtained during routine gastric analysis, 836
JONES, OLIVER P. Reaction of normoblastic bone marrow to liver extract, 335
JOSEPHSON, BERTIL. Influence of composition of antigen-extracts for some serodiagnostic tests on syphilis (M.B.R. II and M.K.R. II), 751
JUNG, RUTH WESTLUND. The importance of leucocyte counts in phagocytic tests, 760
JUSTER, IRVING R. Normal range of leucocyte count determined weekly over an extended period, 376

K

KAISER, ALBERT D. Influence of tonsils on rheumatic infection in children, 609
KAMPMEIER, R. H. (*See* ANDES, KAMPMEIER AND ADAMS), 340
KASABACH, HAIG. (*See* TAYLOR, FERGUSON, KASABACH, AND DAWSON), 491
KATZ, H. L., AND NICE, L. B. The relation of nonfilament and filament counts during excitement, 1145
KEIL, H. L., AND NELSON, VICTOR E. Further studies on copper and iron in metabolism, 1119
KELLER, MARGARET. (*See* MINOT AND KELLER), 743
KELLEY, MARGARET F., AND SHORT, JAMES J. The alleged variabilities of Kahn and Wassermann reactions from meteorologic changes, 910
KELLY, LEMOYNE C. (*See* SNYDER, TRAEGER, ZOLL, KELLY, AND LUST), 541
KILDUFFE, ROBERT A. Thoughts on the education of the public, 330 (E)
KINARD, F. W., AND VAN DE ERVE, J. Control of mange in laboratory dogs, 1203
KING, JOSEPH T. A ring type sterilizer for use with tissue culture flasks, 939
—. A technic for obtaining human blood for tissue culture experiments, 940
KLECKNER, A. L. Bacteriologic studies on fecal streptococci and lactic acid streptococci, 111
KLEIN, JACOB E. Comparative studies in chemotaxis, 1017
KOOPMAN, JOHN, AND FALKER, I. DAVID. A more sensitive complement fixation test for gonorrhea, 308
—, AND —. Inadequacy of present complement titrations, 312
—, AND —. Methods for determining erythrocyte permeability, 808
KOSTER, HARRY, SHAPIRO, ARTHUR, AND POSEN, EDNA. A method for microdetermination of procaine in cerebrospinal fluid, 1096
KOVACS, JOSEPH, HARTUNG, EDWARD F., AND HANSCOM, VIRGINIA. Constitution and arthritis, 1022
KRAFKA, JOSEPH, JR. A simple treatment for psoriasis, 1147
KRAMER, DAVID W. Blood sedimentation rate in diabetes mellitus, 37
KROUSE, R. (*See* BURGE, ORTH, NEILD, KROUSE, AND WICKWIRE), 1162
KRUEGER, FREDERICK J., AND MEYER, OVID O. Lymphogranulomatosis (Hodgkin's disease), 682
KUDER, M. L. (*See* ARMSTRONG AND KUDER), 181
KUGELMASS, I. NEWTON, AND SAMUEL, EMMA LOUISE. Animal growth and space restriction, 655

L

LAKE, MICHAEL. (*See* TORREY AND LAKE), 1170
LANDY, MAURICE. (*See* SPOHR AND LANDY), 650
LARSEN, NILS P. Pathologic library of gross specimens, 926
LARSON, HARDY W. Comparison of xylose tolerance with blood urea in nephritic rats, 1010
LEADINGHAM, ROY S. Sodium citrate—a spirocheticide, 922
LEDERER, MAX. (*See* RADWIN AND LEDERER), 1047
LEHMAN, A. J., RICHARDSON, A. P., AND HANZLIK, P. J. Improved procedures for estimating bismuth in body fluids and tissues, 95
LERNER, HARRY. (*See* FETTERMAN AND LERNER), 1157
LESLIE, ELEANOR I., AND SANFORD, HEYWORTH N. A method of quantitative and qualitative estimation of platelets in their own plasma, 1078
LINCOLN, RALPH A. (*See* DAVID AND LINCOLN), 860
LINTZ, ROBERT M. Red blood cell sedimentation rate in chronic sinusitis, chronic tonsillitis, and dental periapical infections, 1259
LOCKIE, L. MAXWELL. (*See* BOWEN AND LOCKIE), 505
LUETH, HAROLD C., AND SUTTON, DON C. Lung abscess, 1056
LUKENS, MARGUERITE. (*See* BOERNER, LUKENS, AND GILMAN), 952
LUST, F. J. (*See* SNYDER, TRAEGER, ZOLL, KELLY, AND LUST), 541

M

MAJOR, RALPH H. Intranasal application of insulin, 278
MALTBY, ALICE B., AND WILLIAMS, JOHN E. Attempts to apply acetylene method of determining cardiac output to dog, 354
MANSFIELD, JOSEF V. (*See* HOFFMAN AND MANSFIELD), 380
MARCUS, ISRAEL H. Complete temporary recovery, of long duration, in acute aleucemic myeloid leucemia, 1006
MARTIN, DONALD S., AND SMITH, DAVID T. Laboratory diagnosis of blastomycosis, 1289
MATTAS, CLYDE L. Adaptability of Lidberg paraffin embedding oven for various types of tissue work, 830

McCullagh, D. Roy, Jaclenski, T., Klobucar, F. Oxygen absorbing power in presence of certain diseases, 732
McEwen, Currier, Alexander, R. C., and Bunim, Joseph J. Bacteriologic and immunologic studies in arthritis, 453
—, Bunim, Joseph J., and Alexander, R. C. Bacteriologic and immunologic studies in arthritis, 465
McLean, J. A round table for use in pathologic histology, 766
Melman, Mildred. (*See* Mishulow, Melman, and Sklarsky), 406
Metz, M. H. (*See* Simon and Metz), 1154
Meyer, Ovid O. (*See* Krueger and Meyer), 682
Miller, David. (*See* Gale and Miller), 31
Miller, Isidore. Blood sedimentation rates in middle-aged and old people, 1227
Mills, Moore A. (*See* Dragstedt and Mills), 1306
Minot, A. S., and Keller, Margaret. A modification of Greenberg technic for colorimetric determination of serum protein, 743
Mirolubova, Tatiana N. (*See* Greenberg and Mirolubova), 431
Mishulow, Lucy, Melman, Mildred, and Sklarsky, Rena. Mouse protection test for standardizing antimeningococcus serums, 406
Molitch, Matthew, and Cousins, Richard F. Subclinical scurvy in children, 43
Morrison, Samuel. The importance of the oxyntic cell in pernicious anemia, 828
—, Gardner, Raymond E., and Reeves, David L. Selective elimination of neutral red through the gastric mucosa, 822
Mortillaro, Mary. (*See* Hazen and Mortillaro), 710
Mulhern, M. E., and Seelye, Walter Bale. A case of meningitis in a newborn infant due to slow lactose-fermenting organism belonging to colon bacillus group, 793
Murdock, Thomas P. (*See* Welch, Murdock, and Ferguson), 1264
Myers, John A. A convenient and reliable instrument for electrical stimulation experiments, 949

N

Neale, R. C. (*See* Forbes, Neale, Hite, Armistead, and Rucker), 1036
Neely, J. Marshall. The value of biopsy, 1124
Neild, H. W. (*See* Burge, Orth, Neild, Krouse, and Wickwire), 1162
Nelson, Victor E. (*See* Keil and Nelson), 1119
Nice, L. B. (*See* Katz and Nice), 1145
Nichol, E. Sterling. Geographic distribution of rheumatic fever and rheumatic heart disease in the United States, 588
Noonan, W. J. (*See* Hesseltine and Noonan), 281
Norton, John F., Dingle, John H., and Shenstone, T. Herbert. A ball mill for grinding small quantities of bacteria, 1083

O

O'Reilly, Sister M. Francis Xavier. Production of basophilia of granules of polymorphonuclear neutrophilic leucocytes in experimental infection of rat, 1137
Orth, O. S. (*See* Burge, Orth, Neild, Krouse, and Wickwire), 1162
Outhier, Virgil. (*See* Balyeat, Seyler, and Outhier), 187

P

Pierce, H. F. A metabolism chamber which automatically maintains a constant partial pressure of oxygen, 317
Podolsky, Edward. Doctor as author, 32
—. Doctor as contributor to civilization, 169
Posen, Edna. (*See* Koster, Shapiro, and Posen), 1096
Powell, H. M., and Jamieson, W. A. Preparation of Krueger undenatured bacterial antigens, 301
Prickett, Paul S., and Garrett, Orville W. A rapid flushing-washing apparatus for laboratory glassware, 942
Pulvertaft, R. J. V. (*See* Fraenkel and Pulvertaft), 359
Putnam, Tracy. (*See* Hyndman and Putnam), 850

R

Radwin, Leo S. and Lederer, Max. Relation of bacterial infection to liver injury, 1047
Ragins, Alex B. Pathogenesis of tuberculous leptomeningitis, 1217
Rawls, William B., and Chapman, George H. Experimental arthritis in rabbits, 49
Reeves, David L. (*See* Morrison, Gardner, and Reeves), 822
Rice, Carol M. Primary carcinoma of lung, 906
Richardson, A. P. (*See* Lehman, Richardson, and Hanzlik), 95
Rigdon, R. H. The age of sexual maturity in 250 albino female rats, 1182
Rinehart, James F. An outline of studies relating to vitamin C deficiency in rheumatic fever, 597
Rinkel, Herbert J. Leucopenic index, 814
Roberts, Ella. (*See* Griffith, Roberts, and Jeffers), 1208
Robertson, H. F. (*See* Cox, Hawkins, and Robertson), 192
Robinson, W. L. An improved system of filing surgical reports and slides, 1308
Rockwell, George E., and Tyler, Richard. Antipneumococcus serum containing heterophile antibody, 721
Rowe, Albert H. (*See* Graeser and Rowe), 1134
Rucker, S. L. (*See* Forbes, Neale, Hite, Armistead, and Rucker), 1036
Rytz, F. A rapid flocculation method for diagnosis of syphilis, 934

S

Sabine, David B. A comparison of media for plating L. acidophilus, 848
Sahyun, Melville. Modification of Folin and Wu's method for sugar determination, 1089
Samuel, Emma Louise. (*See* Kugelmass and Samuel), 655
Sanford, Heyworth N. (*See* Leslie and Sanford), 1078
Sanigar, Edward B., and Allen, Alexander J. A laboratory electric furnace suitable for micro-Kjeldahl digestions and similar uses, 969
Saunders, John M. Action of magnesium in guanidine intoxication, 1236
Scarf, Maxwell. Gastrointestinal manifestations of hyperthyroidism, 1253
Scheinberg, David. The response of blood urea nitrogen, uric acid and plasma cholesterol to parenteral liver extract, 690
Schleicher, Emil Maro. Schilling's hemogram, 1296
—. (*See* Sharp and Schleicher), 975
Schmidt, E. G., Eastland, J. S., and Burns, J. H. A comparative study of glucose and sucrose tolerance tests, 13
—, and —. Influence of dextrose ingestion on amino acid nitrogen, urea nitrogen and hemoglobin concentration of blood, 1
—, and —. Influence of sucrose ingestion on amino acid nitrogen and urea nitrogen concentration of blood, 233
Schmulovitz, M. J., and Wylie, H. Boyd. Chemical diagnosis of pregnancy by detection of estrin in urine, 210

SCHUBE, PURCELL G. Blood sugar in uncomplicated and untreated neurosyphilis, 404
SCHUTZ, CARL BRYANT. (*See* HELWIG AND SCHUTZ), 264
SCHWARTZ, ISRAEL. Blood calcium determination, using standard calcium chloride solution, 425
SCOVERN, CHARLES E., JR. Frozen stopcocks, 847
SCUDDER, SARA A. Neufeld reaction in certain cases of pneumococcic septicemia, 168
SEELYE, WALTER BALE. (*See* MULHERN AND SEELYE), 793
SEYLER, L. EVERETT. (*See* BALYEAT, SEYLER, AND OUTHIER), 187
SHAPIRO, ARTHUR. (*See* KOSTER, SHAPIRO, AND POSEN), 1096
SHAPIRO, M. J. Natural history of childhood rheumatism in Minnesota, 564
SHARP, E. A., AND SCHLEICHER, E. M. Bock's erythrocytometer and technic for its use, 975
SHARPE, JOHN C., AND BISGARD, J. DEWEY. Relation of thyroid gland to hematopoiesis, 347
SHAW, FREDERICK W. An abridged key to species of pathogenic fungi, 243
SHELANSKI, H. A. Studies on T. vaginalis in vitro, 790
SHENSTONE, T. HERBERT. (*See* NORTON, DINGLE, AND SHENSTONE), 1083
SHORT, JAMES J. (*See* KELLEY AND SHORT), 910
SIMON, JOHN F. Effects of hyperpyrexia on human blood count, blood chemistry and urine, 400
SIMON, S. D., AND METZ, M. H. Amidopyrine and circulating leucocytes, 1154
SKLARSKY, RENA. (*See* MISHULOW, MELMAN, AND SKLARSKY), 406
SMITH, DAVID T. (*See* MARTIN AND SMITH), 1289
SMITH, LAWRENCE W. (*See* BRODY, SMITH, AND WOLFF), 705
SNYDER, R. G., TRAEGER, C. H., ZOLL, C. A., KELLY, LEMOYNE C., AND LUST, F. J. The use of cinchophen in treatment of chronic arthritis, 541
SOLIS-COHEN, MYER. Bacteriologic studies of urine, utilizing a selective method of culturing, 775
SPOHR, CARL L., AND LANDY, MAURICE. A cultural method for diagnosis of gonorrhea employing the direct oxydase reaction, 650
SPRENKEL, VAUGHAN, AND STEWART, HAROLD L. Congenital thinning of wall of right anterior aortic sinus of Valsalva, 128
STEUER, L. G., AND WOLPAW, S. E. Diuretic action of mercupurin, 298
STEVENS, FRANKLIN A. The bactericidal action of irradiated oil of pine on hemolytic streptococcus, 1040
—. The bactericidal and photochemical properties of irradiated petrolatum and mineral oil, 26
STEWART, HAROLD L. (*See* SPRENKEL AND STEWART), 128
STONE, WILLIAM S. Method of eliminating blastocystis hominis from cultures of entamoeba histolytica, 190
—. Method of staining protozoa in bulk, 839
STROUD, W. D. Discussion on paper by Dr. Hugh McCulloch, "Institutional provisions for the care of the rheumatic child," 618
STRUMIA, MAX M. A rapid universal blood stain, 930
STUART, C. A. (*See* WELCH AND STUART), 411
SUTTON, DON C. (*See* LUETH AND SUTTON), 1056
SUTTON, LUCY PORTER, AND DODGE, KATHARINE G. Fever therapy in chorea and in rheumatic carditis with and without chorea, 619
SWAIM, LORING T. What can be expected from orthopedic care of arthritis? 532
SWEET, MARIAN H. (*See* HEALY, DALEY, AND SWEET), 698
SWIFT, HOMER F. Nature of rheumatic fever, 551

T

TAMURA, JOSEPH T. Rapid presumptive diagnosis of lymphogranuloma inguinale, 842
TAYLOR, G. DOUGLAS, FERGUSON, A. B., KASABACH, HAIG, AND DAWSON, M. H. A study of roentgenologic findings in various types of chronic arthritis, 491
THOMAS, WILLIAM S. (*See* TOUART, THOMAS, AND TUCKER), 365
TORREY, JOHN C., AND LAKE, MICHAEL. Some observations on gastric anacidity in relation to gastroduodenal and colonic floras and an associated anemia, 1170
TOUART, MAXIMIN D., THOMAS, WILLIAM S., AND TUCKER, WILLIAM L. A study of effects of vaccine injections upon skin sensitivity, 365
TOWNSEND, ISABELLE M., AND COCA, ARTHUR F. On some practical consequences of influence of temperature upon isoagglutination, 729
TRAEGER, C. H. (*See* SNYDER, TRAEGER, ZOLL, KELLY, AND LUST), 541
TRAUT, EUGENE F. (*See* CARTER AND TRAUT), 670
TSUCHIYA, H. The effects of dyes on endameba histolytica in vitro, 1028
TUCKER, WILLIAM L. (*See* TOUART, THOMAS, AND TUCKER), 365
TYLER, RICHARD. (*See* ROCKWELL AND TYLER), 721
TYSON, T. LLOYD. (*See* DAWSON AND TYSON), 575

U

ULRICH, HELMUTH. A new diluting pipette for Sahli hemoglobinometer, 755

V

VALENTINE, ELEANOR H. (*See* CROCKER AND VALENTINE), 883
VALENTINE, EUGENIA, AND FALK, K. GEORGE. Fermentation and gas production by B. coli in simple and mixed sugars, 257
VAN DE ERVE, J. (*See* KINARD AND VAN DE ERVE), 1203
VAN LIERE, E. J. A respiratory chamber for producing anoxemia in man, 963
VAN WINKLE, CHARLOTTE C. (*See* WALD AND VAN WINKLE), 844
VARNEY, PHILIP L. An automatically recording colony counting apparatus, 207
VAUGHAN, WARREN T. Automatic euthanasia, 332 (E)
—. Leucopenic index as a diagnostic method in study of food allergy, 1278
—. Theory concerning the mechanism and the significance of allergic response, 629
—. Tissue penetration, 109 (E)

W

WALD, HERBERT, AND VAN WINKLE, CHARLOTTE C. A comparison of Ziehl-Neelsen and Spengler technics of staining tubercle bacillus, 844
WALLBACH, GÜNTER. Morphologic sugar metabolism in human leucocyte culture, 163
WALKER, BURNHAM S., AND WALKER, ELISABETH W. Normal magnesium metabolism and its significant disturbances, 713
WALKER, ELISABETH W. (*See* WALKER, B. S., AND WALKER, E. W.), 713
WALKER, GEORGE. A satisfactory drinking fountain for caged animals, 1087
WARD, MURIEL. (*See* GREENE AND WARD), 1231
WARREN, WIRT A. (*See* HADEN AND WARREN), 448
WAUD, RUSSELL A. An improved electropolygraph, 864

WELCH, HENRY, AND STUART, C. A. A rapid slide test for serologic diagnosis of typhoid and paratyphoid fevers, 411

—, MURDOCK, THOMAS P., AND FERGUSON, JOHN A. Subacute bacterial endocarditis produced in rabbits with streptococci that resemble diphtheroids, 1264

WERCH, S. CARL. The use of liquid air in cooling knives and of gelatin for mounting in frozen section technic, 1309

WICKWIRE, G. C. (*See* BURGE, ORTH, NEILD, KROUSE, AND WICKWIRE), 1162

WILLIAMS, JOHN E. (*See* MALTBY AND WILLIAMS), 354

—. Use of polar diagram in charting incidence of disease, 1303

—, AND GREEN, LEO. Weight loss of tubes of certain pathogenic fungi growing on a specific medium, 785

WOHL, MICHAEL G., AND ETTELSON, L. N. Water retention in obesity as determined by Volhard dilution and McClure-Aldrich tests, 390

WOLFF, WILLIAM I. (*See* BRODY, SMITH, AND WOLFF), 705

WOLPAW, S. E. (*See* STEUER AND WOLPAW), 298

WYLIE, H. BOYD. (*See* SCHMULOVITZ AND WYLIE), 210

Y

YOUNGBURG, GUY E., AND YOUNGBURG, MAMIE V. Phosphorus metabolism, 798

YOUNGBURG, MAMIE V. (*See* YOUNGBURG, GUY E., AND YOUNGBURG, MAMIE V.), 798

Z

ZELLER, MICHAEL. The leucopenic index in vasomotor rhinitis, 1274

ZOLL, C. A. (*See* SNYDER, TRAEGER, ZOLL, KELLY, AND LUST), 541

SUBJECT INDEX

Abstracts are indicated by (Abst.) after the page number; book reviews, by (B. Rev.) after the page number.

A

Abscess, lung, 1056
Absorbing power, oxygen, in presence of certain diseases, 732
Abstracts, 98, 217, 323, 437, 659, 770, 873, 983, 1099, 1211, 1310
Acetylene method of determining cardiac output to dog, attempts to apply, 354
Agglutinin response to typhoid vaccine, study of, 325 (Abst.)
Agranulocytic angina, 1213 (Abst.)
Air, liquid, use of, in cooling knives and of gelatin for mounting in frozen section technic, 1309
Albino female rats, age of sexual maturity in 250, 1182
Albuminuria, functional, 221 (Abst.)
Alcaligenes group, microorganism of, a hitherto undescribed, 710
Aleucemic myeloid leucemia, acute, complete temporary recovery of long duration in, 1006
Allergic dermatoses, 877 (Abst.)
diseases, intractable, concerning nature of food sensitization in, 814
response, theory concerning mechanism and significance of, 629
Allergy and immunity, clinical study of, 659 (Abst.)
food, leucopenic index as a diagnostic method in study of, 1278
Alum-diphtheria toxoid precipitate, chemical study of, 157
Amebiasis, laboratory diagnosis of, sources of error in, 1149
American Association for the Study and Control of Rheumatic Diseases, 445-550, 551-628
Amidopyrine and allied drugs, relation of, to etiology of agranulocytic angina, 1213 (Abst.)
and circulating leucocytes, 1154
Amino acid nitrogen, influence of dextrose ingestion on, urea nitrogen and hemoglobin concentration of blood, 1
sucrose ingestion on, and urea nitrogen concentration of blood, 233
Amyloidosis, Congo red test for, an improved, 93
Anacidity, gastric, some observations on, in relation to gastroduodenal and colonic floras and an associated anemia, 1170
Anaerobic bacilli, infections by gas-forming, 877 (Abst.)
Anaphylactic shock, prevention of, due to horse serum by injection of B.C.G., 359
Anatomy, morbid, postmortems and, 879 (B. Rev.)
Anemia, 659 (Abst.)
associated, some observations on gastric anacidity in relation to gastroduodenal and colonic floras and an, 1170
chronic hypochromic, bile pigment and regeneration of effect of bile pigment in, 770 (Abst.)
experimental, absorption, storage, and elimination in, 1312 (Abst.)
iron and its utilization in, 1313 (Abst.)
of premature infants, 983 (Abst.)
of prematurity, 103 (Abst.)
pernicious, importance of oxyntic cell in, 828
Angina pectoris, experimental and clinical observations regarding, and some related symptoms, 993
Animals, drinking fountain for caged, a satisfactory, 1087
growth and space restriction, 655
Annals of Pickett-Thomson laboratory, 108 (B. Rev.)
Anoxemia in man, respiratory chamber for producing, 963
Anthrax, studies on, 134
Antibody, heterophile, antipneumococcus serum containing, 721
Antigen, Bordet and Ruelens, in complement fixation test for syphilis, a study of nonspecific reactions of cerebrospinal fluids with, 1185
-extracts, influence of composition of, for some serodiagnostic tests on syphilis (M.B.R. II and M.K.R. II), 751
Krueger undenatured bacterial, preparation of, 301
rapid method for preparing, for Wassermann reaction, 417
Antilymphogranuloma inguinale goat serum, a specific intradermal test with, 842
Antimeningococcus serums, mouse protection test for standardizing, 406
Antipneumococcus serum containing heterophile antibody, 721
Aorta and bacterial endocarditis, slight dextroposition of, 128
Aortic sinus of Valsalva, congenital thinning of wall of right anterior, 128
Appendicitis, hemography in diagnosis of, based on 500 cases, 883
in children, filament, nonfilament leucocyte count in, 875 (Abst.)
Arteriosclerosis, 340
Arthritis, acute hypertrophic, accelerating factors in, 448
atrophic (rheumatoid) and hypertrophic, protein studies in, 478
treatment of, with leucocyte concentrate, 536
bacteriologic and immunologic studies in, 453, 465
blood cultures in different forms of, results of, 453
chronic atrophic: effect of a high carbohydrate diet and insulin on symptoms and respiratory metabolism, 505
cinchophen in treatment of, use of, 541
diet in, studies on effect of a high-sulphur low-carbohydrate, 1036
home treatment of, by physical therapy, 497
infectious (atrophic), present status of fever therapy in treatment of gonorrheal arthritis, and other forms of rheumatism, 524
roentgenologic findings in various types of, a study of, 491
constitution and, 1022
experimental, in rabbits, 49
immunologic and bacteriologic studies, 453, 465
tests in different forms of, results of various, 465
orthopedic care of, what can be expected from, 532
-producing ability of inagglutinable streptococci, comparison of, 49
rheumatoid, and rheumatic fever, relationship between, 575
treatment of chronic, 221 (Abst.)
synovial fluid in, characteristics of, 1099 (Abst.)
Asbestosis, pulmonary, study of sputum in, 217 (Abst.)
Aschoff body, 442 (Abst.)

Atrophic (rheumatoid) and hypertrophic arthritis, protein studies in, 478
arthritis, chronic: effect of a high carbohydrate diet and insulin on symptoms and respiratory metabolism, 505
treatment of, with leucocyte concentrate, 536
Auricular flutter with 1:1 response, 670
Autohemagglutinin, 697
Automatic euthanasia, 332 (E)

B

Bacilli, gas-forming anerobic, infections by, 323 (Abst.)
tubercle, 325, 662 (Absts.)
and other microorganisms, mechanical device for preparing fine suspensions of, 428
Bacillus coli, fermentation and gas production by, in simple and mixed sugars, 257
diphtheriae, rapid method for identification of, 441 (Abst.)
tuberculosis, synthetic medium for, 1215 (Abst.)
welchii toxin, intratibial injections of, in rabbits, evanescent effect of, 659 (Abst.)
tubercle, 1311 (Abst.)
progeny of, 1101 (Abst.)
staining comparison of Ziehl-Neelsen and Spengler technics of, 844
Bacteria, ball mill for grinding small quantities of, 1083
Bacterial antigens, Krueger undenatured, preparation of, 301
endocarditis, slight dextroposition of aorta and, 128
subacute, produced in rabbits with streptococci that resemble diphtheroids, 1264
flora associated with foreign bodies in trachea and bronchi, 326 (Abst.)
infection, relation of, to liver injury, 1047
Bactericidal action of irradiated oil of pine on hemolytic streptococcus, 1040
of short and ultrashort waves, 31
and photochemical properties of irradiated petrolatum and mineral oil, 26
Bacteriemia in pneumonia, incidence of, 323 (Abst.)
Bacteriologic and immunologic studies in arthritis, 453, 465
studies on fecal streptococci and lactic acid streptococci, 111
of urine, ultilizing a selective method of culturing, 775
Bacteriology, 774 (Abst.)
experimental, 882 (B. Rev.)
textbook of, 224 (B. Rev.)
general, 223 (B. Rev.)
Banti's disease, relation of chronic congestive splenomegaly to, 217 (Abst.)
Basal and exercise cardiac output on dogs, method of estimating both, 192
oxygen consumption, expiratory chest volume during routine measurement of, frequency and significance of changes of, 1231
Basophilia of granules of polymorphonuclear neutrophilic leucocytes, production of, in experimental infection of rat, 1137
Basophilic aggregation counts, fluctuations in, with meteorologic alterations, 677
B.C.G., anaphylactic shock due to horse serum by injection of, prevention of, 359
Beverage and food analyses, 443 (B. Rev.)
Bichloride poisoning, treatment of, 660 (Abst.)
Bile pigment and regeneration of effect of bile pigment in chronic hypochromic anemia, 770 (Abst.)
Biopsy, value of, 1124
Bismuth in body fluids and tissues, improved procedures for estimating, 95
Biuret method, determination of fibrin by, 1084
Bladder, urinary, tumors of, 444 (B. Rev.)
Blastocystis hominis, method of eliminating, from cultures of entamoeba histolytica, 190
Blastomycosis, laboratory diagnosis of, 1289
Blood agar cultures and Dick test as aids in diagnosis of scarlet fever, 875 (Abst.)
amino acid nitrogen and urea nitrogen concentration of, influence of sucrose ingestion on, 233
calcium, 986 (Abst.)
determination, using standard calcium chloride solution, 425
cells, white, phospholipid content of, estimation of, 957
effect of prolonged administration on number and type of, 1154
chemistry, effects of hyperpyrexia on human blood count, urine and, 400
clotting and citrated, observations on pH of, 663
count, blood chemistry and urine, effects of hyperpyrexia on human, 400
cultures in different forms of arthritis, results of, 453
diseases, clinical atlas of, 223 (B. Rev.)
puncture of spleen in, 1312 (Abst.)
disorders of, 222 (B. Rev.)
fat determination, total, as an index of thyroid function, 1310 (Abst.)
glucose clearance, 986 (Abst.)
grouping in infectious diseases, 705
in healthy young infants, 772, 773 (Absts.)
in spinal fluid, a staining technic for, 1208
hemoglobin concentration of, influence of dextrose ingestion on amino acid nitrogen, urea nitrogen and, 1
peripheral, in lobar pneumonia, 659 (Abst.)
picture in experimental whooping cough, 99 (Abst.)
phosphorus, changes and relationships in, of rats subjected to blood regeneration by repeated bleedings, 798
platelets, effect of obstructive jaundice on, of rabbit, 899
pressure, capillary, cutaneous, new method for determination of, 179
sedimentation, a new method and a new pipette for, 971
rate in diabetes mellitus, 37
in middle-aged and old people, 1227
serum phosphomolybdic acid centrifugates, calcium in, effect of hydrogen ion concentration upon determination of, 65
spinal fluid contaminated by, diagnosis in, 100 (Abst.)
stain, polychrome, a general purpose, 978
a rapid universal, 930
sugar level after prolonged carbohydrate feeding, 1142
in uncomplicated and untreated neurosyphilis, 404
for tissue culture experiments, a technic for obtaining human, 940
transfusion, transmission of syphilis by, factors conditioning, 877 (Abst.)
urea in nephritic rats, comparison of xylose tolerance with, 1010
nitrogen, response of, uric acid and plasma cholesterol to parenteral liver extract, 690
Bock's erythrocytometer and technic for its use, 975
Body fluids and tissues, bismuth in improved procedures for estimating, 95
Bone marrow, normoblastic, reaction of, to liver extract, 335
Book reviews, 104, 222, 443, 879
Bordet and Ruelens antigen in complement fixation test for syphilis, a study of nonspecific reactions of cerebrospinal fluids with, 1185
Box, mouse, for operating on the tail, 1302
Breast lesions, 219 (Abst.)
tumors, 874 (Abst.)
Bright's disease, significance of serum inorganic sulphate concentrations in, 380
Bromsulphalein dye retention test, employment of oxalated plasma in, 1306
Bronchiectasis, 220 (Abst.)

C

Calcium, blood, 986 (Abst.)
determination, using standard calcium chloride solution, 425
in blood serum phosphomolybdic acid centrifugates, effect of hydrogen ion concentration upon determination of, 65
chloride solution, blood calcium determination using standard, 425
neutralize thyroxine, does, 1131
Cancer, 1314 (Abst.)
Roffo's test in, 221 (Abst.)
Capillary blood pressure, new method for determination of cutaneous, 179
resistance test, application of, 43
Carbohydrate diet and insulin, effect of high, on symptoms and respiratory metabolism: chronic atrophic arthritis, 505
feeding, blood sugar level after prolonged, 1142
Carbon dioxide, simple method of supplying in jars for bacteriologic cultures, 774 (Abst.)
Carcinoma, early cutaneous, 101 (Abst.)
primary, of lung, 906
of stomach, diagnosis of, from a fragment of tumor obtained during routine gastric analysis, 836
Cardiac output to dog, attempts to apply acetylene method of determining, 354
basal and exercise, method of estimating both, 192
Cardiology, recent advances in, 881 (B. Rev.)
Carditis, rheumatic, with and without chorea, fever therapy in chorea and in, 619
Casting and molding for medical sciences technic of, 68
Cell, sickle, 873 (Abst.)
white blood, phospholipid content of, estimation of, 957
Cerebrospinal fluid, 1311 (Abst.)
during and between attacks of migraine headaches, 327 (Abst.)
procaine in, a method for microdetermination of, 1096
differentiation of, 1215 (Abst.)
nonspecific reactions of, a study of, with Bordet and Ruelens antigen in complement fixation test for syphilis, 1185
Cinchophen intoxication, studies in, 1047
in treatment of chronic arthritis, use of, 541
Circulation, failure of, 104 (B. Rev.)
Citrate, sodium—a spirocheticide, 922
Civilization, doctor as contributor to, 169
Chemical diagnosis of pregnancy by detection of estrin in urine, 210
study of alum-diphtheria toxoid precipitate, 157
test for pregnancy, 986 (Abst.)
Chemistry, blood, effects of hyperpyrexia on human blood count, urine and, 400
Chemotaxis, comparative studies in, 1017
Chest volume, expiratory, frequency and significance of changes of, during routine measurement of basal oxygen consumption, 1231
Childhood rheumatism, natural history of, in Minnesota, 564
Cholesterol, plasma, response of blood urea nitrogen, uric acid and, to parenteral liver extract, 690
studies of plasma proteins and, 340
Chorea, fever therapy in, and in rheumatic carditis with and without chorea, 619
Clock, a synchronous motor electric time, 757
Colon bacillus group, slow lactose-fermenting organism belonging to, a case of meningitis in a newborn infant due to, 793
Colony counting apparatus, an automatically recording, 207
Color photography, three, a method of, 850
Colorimetric analyses, limitations of, by present methods, 181
determination, modifications in, of plasma proteins by Folin phenol reagent, 431
of serum protein, a modification of Greenberg technic for, 743
Complement fixation reactions, influence of physiologic salines in, 1069
test for gonorrhea, a more sensitive, 308
for syphilis, a study of nonspecific reactions of cerebrospinal fluids with Bordet and Ruelens antigen in, 1185
titrations, inadequacy of present, 312
Concretio cordis, thoracic duct lymph pressure in, 296
Congenital syphilis, 773 (Abst.)
thining of wall of right anterior aortic sinus of valsalva, 128
Congo red test for amyloidosis, an improved, 93
Constitution and arthritis, 1022
Copper and iron in metabolism, further studies on, 1119
Corpuscles, sheep, prolonged preservation of antigenic specificity of, associated with production of marked increase in resistance to hypotonic solutions, 943
Correspondence, 992, 1216, 1314
Counts, nonfilament and filament, relation of, during excitement, 1145
Counting apparatus, an automatically recording colony, 207
Creatinuria of infancy and childhood, 1310 (Abst.)
Criminal investigation, modern, 882 (B. Rev.)
Cryptococci and monilias, cultural and morphologic studies of, isolated from vulvovaginitis and oral thrush, 1113
Cultural method for diagnosis of gonorrhea employing direct oxydase reaction, 650
and morphologic studies of cryptococci and monilias isolated from vulvovaginitis and oral thrush, 1113
Cup, food, for rats, a convenient, 1194
Cytology of pleural effusion studied with a supravital technic, 659 (Abst.)

D

Dental periapical infections, red blood cell sedimentation rate in chronic sinusitis, chronic tonsillitis and, 1259
Dermatoses, allergic, 877 (Abst.)
Device for drying pipettes and other laboratory glassware, a simple, efficient, and inexpensive, 435
Dextrose content of lumbar and cisternal cerebrospinal fluid, 1311 (Abst.)
ingestion of amino acid nitrogen, influence of, urea nitrogen and hemoglobin concentration of blood, 1
tolerance, 1213 (Abst.)
Diabetes mellitus, blood sedimentation rate in, 37
treatment of, evaluation of hyperglycemia in, 438 (Abst.)
Diabetic individual, safely induced fever therapy in a, 820
Diagram, polar, in charting incidence of disease, use of, 1303
Dick test and blood agar cultures as aids in diagnosis of scarlet fever, 875 (Abst.)
Diet, high-sulphur low-carbohydrate, studies on effect of, in chronic arthritis, 1036
Diphtheria, 441, 1104 (Absts.)
Diphtheroids, streptococci that resemble, subacute bacterial endocarditis produced in rabbits with, 1264
Disease, use of polar diagram in charting incidence of, 1303
Diuretic action of mercupurin, 298
Doctor as author, 32
as contributor to civilization, 169
woman asks, 108 (B. Rev.)
Doctors and juries, 223 (B. Rev.)
for and against, 881 (B. Rev.)

Drinking fountain for caged animals, a satisfactory, 1087
Dyes, effects of, on endameba histolytica in vitro, 1028
Dye retention test, bromsulphalein, employment of oxalated plasma in, 1306

E

Eagle, Kolmer-Wassermann, and Kahn precipitation tests, a study of relative sensitivity and specificity of, 952
Editorial, automatic euthanasia, 332
organization in study and control of rheumatic diseases, 548
renal function tests, 989
thoughts on the education of the public, 330
tissue penetration, 109
Education of the public, thoughts on the, 330 (E)
Electric furnace, laboratory, suitable for micro-Kjeldahl digestions and similar uses, 969
Electrical stimulation experiments, a convenient and reliable instrument for, 949
Electronegativity, cause and significance of, of active living tissue, 1162
Electropolygraph, an improved, 864
Empyema, putrid, 219 (Abst.)
Encephalitis, acute, 661 (Abst.)
fulminating hemorrhagic, 875 (Abst.)
Encephalopathy, lead, simulation of intracranial tumor, 325 (Abst.)
Endameba histolytica in vitro, effects of dyes on, 1028
Endocarditis, bacterial, slight dextroposition of aorta and, 128
subacute bacterial, produced in rabbits with streptococci that resemble diphtheroids, 1264
Endocrine diagnosis and treatment, recent advances in, 736
Entamoeba histolytica, cultures of, method of eliminating blastocystis hominis from, 190
Eosinophiles in rheumatic fever, behavior of, 225
Eosinophilia in scarlet fever, 323, 878 (Absts.)
Epinephrine by inhalation, administration of, 1134
Erythrocyte permeability, methods for determining, 808
Erythrocytes in salt solution, a method for measuring fragility of, 833
Erythrocytometer, Bock's, and technic for its use, 975
Experiments, the design of, 444 (B. Rev.)
Estrin in urine, chemical diagnosis of pregnancy by detection of, 210
Euthanasia, automatic, 332 (E)
Excitement, nonfilament and filament counts during, relation of, 1145

F

Fecal streptococci and lactic acid streptococci, bacteriologic studies on, 111
Fermentation and gas production by B. coli in simple and mixed sugars, 257
tests, reliability of, in identification of monilias, 1105
Fever, rheumatic, and rheumatoid arthritis, relationship between, 575
behavior of eosinophiles in, 225
geographic distribution of, and rheumatic heart disease in United States, 588
nature of, 551
vitamin C deficiency in, an outline of studies relating to, 597
scarlet, 875 (Abst.)
therapy in chorea and in rheumatic carditis with and without chorea, 619
safely induced, in a diabetic individual, 820
in treatment of gonorrheal arthritis, chronic infectious (atrophic) arthritis, and other forms of rheumatism, present status of, 524
Fibrin, determination of, by Biuret method, 1084
Flocculation method, rapid, for diagnosis of syphilis, 934
Floras, colonic, some observations on gastric anacidity in relation to gastroduodenal and, an associated anemia, 1170
Fluctuations in basophilic aggregation counts with meteorologic alterations, 677
Flushing-washing apparatus, rapid, for laboratory glassware, 942
Flutter, auricular, with 1:1 response, 670
Folin and Wu's method for sugar determination, modification of, 1089
phenol reagent, modifications in colorimetric determination of plasma proteins by, 431
Food allergy, leucopenic index as a diagnostic method in study of, 1278
Food and beverage analyses, 443 (B. Rev.)
cup for rats, a convenient, 1194
sensitization in intractable allergic diseases, concerning nature of, 814
Foot, 879 (B. Rev.)
Fountain, drinking, for caged animals, a satisfactory, 1087
Frozen section technic, use of liquid air in cooling knives and of gelatin for mounting in, 1309
stopcocks, 847
Fructosuria, essential, 770 (Abst.)
Fungi, pathogenic, an abridged key to species of, 243
weight loss of tubes of certain, growing on a specific medium, 785
Fungicides, 281, 288
Furnace, laboratory electric, suitable for micro-Kjeldahl digestions and similar uses, 969

G

Gas production and fermentation by B. coli in simple and mixed sugars, 257
Gastric anacidity, some observations on, in relation to gastroduodenal and colonic floras and an associated anemia, 1170
analysis, routine, diagnosis of carcinoma of stomach from a fragment of tumor obtained during, 836
juice, concentrated human, hematopoietic material in, 220 (Abst.)
mucosa, selective elimination of neutral red through, 822
Gastroduodenal and colonic floras and an associated anemia, some observations on gastric anacidity in relation to, 1170
Gastrointestinal manifestations of hyperthyroidism, 1253
Geographic distribution of rheumatic fever and rheumatic heart disease in United States, 588
Gingivitis and periodontoclasia, medical aspects of, 698
Gland, thyroid, relation of, to hematopoiesis, 347
Glassware, laboratory, a rapid flushing-washing apparatus for, 942
Glomerular efficiency, sodium ferrocyanide as a clinical test for, 102 (Abst.)
Glucose and sucrose tolerance tests, a comparative study of, 13
blood, clearance, 986 (Abst.)
Glycerol-free medium for tubercle bacillus, 1311 (Abst.)
Glycosuria, 329 (Abst.)
nondiabetic, incidence of, 152
Goat serum, antilymphogranuloma inguinale, a specific intradermal test with, 842
Gonococcus, 219 (Abst.)
Gonorrhea, complement fixation test for, a more sensitive, 308
cultural method for diagnosis of, employing direct oxydase reaction, 650
in male, criteria of cure of, 219 (Abst.)
Gonorrheal arthritis, fever therapy in treatment of, present status of, chronic infectious (atrophic) arthritis, and other forms of rheumatism, 524
Gout, preservation and microscopic examination of nodules in, 985 (Abst.)

Granules, basophilia of, of polymorphonuclear neutrophilic leucocytes, production of, in experimental infection of rat, 1137
Greenberg technic, a modification of, for colorimetric determination of serum protein, 743
Gross specimens, pathologic library of, 926
Grouping, blood, in infectious diseases, 705
Guanidine intoxication, action of magnesium in, 1236

H

H and O agglutination of B. typhosus, 662 (Abst.)
Hair and scalp, 879 (B. Rev.)
Harvard kymographs, muscle nerve stimulating accessory for, 869
Harvey lectures, 105 (B. Rev.)
Health organization, quarterly bulletin of, League of Nations, 105 (B. Rev.)
Heart disease, rheumatic, geographic distribution of rheumatic fever and, in United States, 588
Hematologic nomenclature, 173
Hematopoiesis, relation of thyroid gland to, 347
Hematopoietic function in rabbit, modification of, by certain cyclic compounds, 913
material in concentrated human gastric juice, 220 (Abst.)
Hemoglobin, 770 (Abst.)
concentration of blood, influence of dextrose ingestion on amino acid nitrogen, urea nitrogen and, 1
values in normal adults over a period of time, 787
Hemoglobinometer, Sahli, a new diluting pipette for, 755
Hemogram, Schilling's, 1296
Hemography in diagnosis of appendicitis based on 500 cases, 883
Hemolytic streptococcus, bactericidal action of irradiated oil of pine on, 1040
Hemophilia, histopathology of hematopoietic tissues in, 323 (Abst.)
Hemorrhagic encephalitis, fulminating, 875 (Abst.)
nephritis, infection and, 440 (Abst.)
Heterophile antibody, antipneumococcus serum containing, 721
test in leucemia, 878 (Abst.)
High-sulphur low-carbohydrate diet in chronic arthritis, studies on effect of, 1036
Histology, pathologic, a round table for use in, 766
textbook of, 105 (B. Rev.)
Hodgkin's disease, 682
etiology of, 772 (Abst.)
Home treatment of chronic arthritis by physical therapy, 497
Human blood for tissue culture experiments, a technic for obtaining, 940
Hydrogen ion concentration, effect of, upon determination of calcium in blood serum phosphomolybdic acid centrifugates, 65
influence of, on growth of yeastlike organisms, 281
Hyperglycemia in treatment of diabetes, evaluation of, 438 (Abst.)
Hyperproteinemia, multiple myeloma with, 327 (Abst.)
Hyperpyrexia, effects of, on human blood count, blood chemistry and urine, 400
Hypertension, on chronic, of nervous origin, 235
Hyperthyroidism, gastrointestinal manifestations, 1253
quinine test for, 123
Hypertrophic and atrophic (rheumatoid) arthritis, protein studies in, 478
arthritis (osteoarthritis), chronic, accelerating factors in, 448
Hypoglycemia in newborn, 439 (Abst.)
Hypotonic solutions, resistance to, prolonged preservation of antigenic specificity of sheep corpuscles associated with production of marked increase in, 943

I

Ide test—new color test for syphilis, 1190
Ileitis, tularemic pneumonia with associated, fatal case of, 1157
Illumination, dark-field, in diagnosis of tuberculosis and malaria, 421
Illuminator, intestinal, 923
Immunity and allergy, clinical study of, 659 (Abst.)
Immunologic and bacteriologic studies in arthritis, 453, 465
tests in different forms of arthritis, results of various, 465
Impetigo contagiosa, treatment for, 1214 (Abst.)
Index, leucopenic, 814
as diagnostic method in study of food allergy, 1278
in vasomotor rhinitis, 1274
opsonic, modification of Wright's technic for determination of, 1203
Infants, blood in healthy young, 772, 773 (Absts.)
premature, anemia of, 983 (Abst.)
Infection and hemorrhagic nephritis, 440 (Abst.)
bacterial, relation of, to liver injury, 1047
by gas-forming anerobic bacilli, 323 (Abst.)
rheumatic, in children, influence of tonsils on, 609
Infectious diseases, blood grouping in, 705
Inhalation, epinephrine by, administration, 1134
Insulin and high carbohydrate diet, effect of, on symptoms and respiratory metabolism, 505
intranasal application of, 278
Instrument for electrical stimulation experiments, a convenient and reliable, 949
International Medical Annual, 107 (B. Rev.)
Intestinal flora in newborn infants, 1103 (Abst.)
illuminator, 923
Intoxication, cinchophen, studies in, 1047
guanidine, action of magnesium in, 1236
Intradermal test, a specific, with antilymphogranuloma inguinale goat serum, 842
Intranasal application of insulin, 278
Introductory remarks, 445
Iodized oil, 187
Iron and copper in metabolism, further studies on, 1119
and its utilization in experimental anemia, 1313 (Abst.)
Irradiated oil of pine, bactericidal action of, on hemolytic streptococcus, 1040
Iso-agglutination, influence of temperature upon, on some practical consequences of, 729

J

Jaundice, 1102 (Abst.)
mechanism of, 1100 (Abst.)
obstructive, effect of, on blood platelets of rabbit, 899
study of 100 cases of, with particular reference to galactose tolerance, 217 (Abst.)

K

Kahn and Wassermann reactions, alleged variabilities of, from meteorologic changes, 910
Kolmer-Wassermann, and Eagle precipitation tests, a study of relative sensitivity and specificity of, 952
Kidney in health and disease, 107 (B. Rev.)
Kolmer-Wassermann, Kahn and Eagle precipitation tests, a study of relative sensitivity and specificity of, 952
Krueger undenatured bacterial antigens, preparation of, 301
Kymographs, Harvard, muscle nerve stimulating accessory for, 869

L

L. acidophilus, media for plating, a comparison of, 848
Laboratory diagnosis, 104 (B. Rev.)
of amebiasis, sources of error in, 1149
of blastomycosis, 1289
dogs, control of mange in, 1203
electric furnace suitable for micro-Kjeldahl digestions and similar uses, 969
glassware, a rapid flushing-washing apparatus for, 942
manual, 107 (B. Rev.)
methods, clinical diagnosis by, 222 (B. Rev.)
Pickett-Thomson, annals of, 108 (B. Rev.)
timing device, an inexpensive, 860
Lactic acid streptococci, bacteriologic studies on fecal streptococci and, 111
Lactose-fermenting organism, a case of meningitis in a newborn infant due to a slow, belonging to colon bacillus group, 793
Lead encephalopathy, 325 (Abst.)
Leprosy, Mitsuda's skin reaction in, 771 (Abst.)
Leptomeningitis, tuberculous, pathogenesis of, 1217
Leucemia, acute aleucemic myeloid, complete temporary recovery of long duration in, 1006
diagnosis and treatment of, 984 (Abst.)
differential diagnosis of, 984 (Abst.)
heterophile antibody test in, 878 (Abst.)
Leucocyte, amidopyrine and circulating, 1154
concentrate, treatment of atrophic (rheumatoid) arthritis with, 536
count during artificial pneumothorax treatment and lung expansion, 660 (Abst.)
in phagocytic tests, importance of, 760
normal range of, determined weekly over an extended period, 376
culture, human, morphologic sugar metabolism in, 163
filament, nonfilament count in appendicitis in children, 875 (Abst.)
polymorphonuclear neutrophilic, production of basophilia of granules of, in experimental infection of rat, 1137
reaction in tuberculosis, 329 (Abst.)
Leucopenic index, 814
as diagnostic method in study of food allergy, 1278
in vasomotor rhinitis, 1274
Library, pathologic, of gross specimens, 926
Lidberg paraffin embedding oven for various types of tissue work, adaptability of, 830
Liquid air in cooling knives and of gelatin for mounting in frozen section technic, use of, 1309
Liver extract, parenteral, response of blood urea nitrogen, uric acid and plasma cholesterol to, 690
reaction of normoblastic bone marrow to, 335
injury, relation of bacterial infection to, 1047
-kidney syndrome, further contribution to, 264
therapy, parenteral, in streptococcus pneumonia, 988 (Abst.)
treatment, lack of effect of, on circulating reticulocytes in pigeon, 660 (Abst.)
Lobar pneumonia, 659 (Abst.)
Low-carbohydrate high-sulphur diet in chronic arthritis, studies on effect of, 1036
Lung abscess, 1056
primary carcinoma of, 906
Lymphogranuloma inguinale, 439, 771 (Absts.)
cultivation of virus of, 771 (Abst.)
rapid presumptive diagnosis of, 842
Lymphogranulomatosis (Hodgkin's disease), 682
Lymphopathia venereum, its relation to rectal stricture, 328 (Abst.)

M

Magnesium in guanidine intoxication, action of, 1236
metabolism, normal, and its significant disturbances, 713
Malaria and tuberculosis, dark-field illumination in diagnosis of, 421
Mange, control of, in laboratory dogs, 1203
Maturity, sexual, age of, in 250 albino female rats, (Mus norvegicus albicus, Wistar strain), 1182
May-Gruenwald-Giemsa in one solution, 930
Mechanical device for preparing fine suspensions of tubercle bacilli and other microorganisms, 428
Mechanism and significance of allergic response, theory concerning, 629
Media for plating L. acidophilus, comparison of, 848
Medical aspects of periodontoclasia and gingivitis, 698
sciences, technic of molding and casting for, 68
Medicine in Middle Ages, story of, 106 (B. Rev.)
tropical, and clinical parasitology, 443 (B. Rev.)
Meningitis, 437 (Abst.)
acute aseptic, 441 (Abst.)
in newborn infant due to a slow lactose-fermenting organism belonging to colon bacillus group, a case of, 793
tuberculous, 874 (Abst.)
Mercupurin, diuretic action of, 298
Mercurochrome, 440 (Abst.)
Metabolism chamber which automatically maintains a constant partial pressure of oxygen, 317
copper and iron in, further studies on, 1119
magnesium, normal, and its significant disturbances, 713
morphologic sugar, in human leucocyte culture, 163
phosphorus, 798
respiratory, effect of high carbohydrate diet and insulin on symptoms and, 505
Meteorologic alterations, fluctuations in basophilic aggregation counts with, 677
changes, alleged variabilities of Kahn and Wassermann reactions from, 910
Microdetermination of procaine in cerebrospinal fluid, a method for, 1096
of sodium by uranyl zinc acetate method and titration of uranium with cadmium as reductant, 1198
Micro-Kjeldahl digestions, a laboratory electric furnace suitable for, and similar uses, 969
Microorganism of alcaligenes group, a hitherto undescribed, 710
Microreaction for serodiagnosis of syphilis, a new, 1204
Migraine headaches, cerebrospinal fluid during and between attacks of, 327 (Abst.)
Mill, ball, for grinding small quantities of, 1083
Mineral oil and irradiated petrolatum, bactericidal and photochemical properties of, 26
Molding and casting for medical sciences, technic of, 68
Monilias and cryptococci, cultural and morphologic studies of, isolated from vulvovaginitis and oral thrush, 1113
identification of, reliability of fermentation tests in, 1105
Mononucleosis, infectious, 439, 1211 (Absts.)
Mouse box for operating on the tail, 1302
protection test for standardizing antimeningococcus serums, 406
Mucosa, gastric, selective elimination of neutral red through, 822
Muscle nerve stimulating accessory for Harvard kymographs, 869
Myeloid leucemia, acute aleucemic, complete temporary recovery of long duration in, 1006
Myeloma, Bence-Jones proteinemia in multiple, 984 (Abst.)
multiple, with hyperproteinemia, 327 (Abst.)
Myocardial, studies on, 442 (Abst.)

N

Neck, malignant epithelial tumors of, 985 (Abst.)
Nephritic rats, blood urea in, comparison of xylose tolerance with, 1010
Nephritis, hemorrhagic, infection and, 440 (Abst.)
Nerve, muscle, stimulating accessory for Harvard kymographs, 869
Nervous origin, on chronic hypertension of, 235
Neufeld reaction in certain cases of pneumococcic septicemia, 168
Neurosyphilis, blood sugar in uncomplicated and untreated, 404
Wassermann-fastness of spinal fluid in treated, 328 (Abst.)
Neutral red, selective elimination of, through gastric mucosa, 822
Newborn, hypoglycemia in, 439 (Abst.)
Nitrites, interference of, in detection and estimation of urobilinogen in urine, 1195
Nitrogen, blood urea, response of, uric acid and plasma cholesterol to parenteral liver extract, 690
Normoblastic bone marrow, reaction of, to liver extract, 335

O

Obesity, water retention in, as determined by Volhard dilution and McClure-Aldrich tests, 390
Oil, iodized, 187
of pine, irradiated, bactericidal action of, on hemolytic streptococcus, 1040
Opsonic index, modification of Wright's technic for determination of, 1203
Oral thrush and vulvovaginitis, cultural and morphologic studies of cryptococci and monilias isolated from, 1113
Organization in study and control of rheumatic diseases, 548 (E)
Orthopedic care of arthritis, what can be expected from, 532
Osteoarthritis, 448
Oven, Lidberg paraffin embedding, for various types of tissue work, adaptability of, 830
Oxalated plasma in bromsulphalein dye retention test, employment of, 1306
Oxydase reaction, direct, cultural method for diagnosis of gonorrhea employing, 650
Oxygen absorbing power in presence of certain diseases, 732
consumption, basal, expiratory chest volume during routine measurement of frequency and significance of changes of, 1231
metabolism chamber which automatically maintains a constant partial pressure of, 317
Oxyntic cell in pernicious anemia, importance of, 828

P

Pain and weather, 1247
Paraffin embedding oven, Lidberg, for various types of tissue work, adaptability of, 830
Parasitology, clinical, and tropical medicine, 443 (B. Rev.)
Paratyphoid and typhoid fevers, a rapid slide test for serologic diagnosis of, 411
Parenteral liver extract, response of blood urea nitrogen, uric acid and plasma cholesterol to, 690
Pathogenesis of tuberculous leptomeningitis, 1217
Pathogenic fungi, an abridged key to species of, 243
weight loss of tubes of certain, growing on a specific medium, 785
Peptic ulcer, gastric mucin treatment of, 987 (Abst.)
Periapical infections, dental, red blood cell sedimentation rate in chronic sinusitis, chronic tonsillitis and, 1259
Periodontoclasia and gingivitis, medical aspects of, 698
Pernicious anemia, importance of oxyntic cell in, 828
Petrolatum, irradiated, and mineral oil, bactericidal and photochemical properties of, 26
pH of clotting and citrated blood, observations on, 663
Phagocytic tests, importance of leucocyte counts in, 760
Phenol reagent, Folin, modifications in colorimetric determination of plasma proteins by, 431
Phospholipid content of white blood cells estimation of, 957
Phosphorus, blood, changes and relationships in, of rats subjected to blood regeneration by repeated bleedings, 798
metabolism, 798
Photography, three color, a method of, 850
Phthalein test for renal function, 1103 (Abst.)
Physical therapy, home treatment of chronic arthritis by, 497
Pickett-Thomson laboratory, annals of, 108 (B. Rev.)
Pipette and other laboratory glassware, a simple, efficient, and inexpensive device for drying, 435
for blood sedimentation, a new method and a new, 971
new diluting, for Sahli hemoglobinometer, 755
Plague, rodent, in California, 326 (Abst.)
Plasma cholesterol, response of blood urea nitrogen, uric acid and, to parenteral liver extract, 690
estimation of platelets in their own, a method of quantitative and qualitative, 1078
oxalated, employment of, in bromsulphalein dye retention test, 1306
proteins and cholesterol, studies of, 340
colorimetric determination of, modifications in, by Folin phenol reagent, 431
Platelets, blood effect of obstructive jaundice on, of rabbit, 899
method of quantitative and qualitative estimation of, in their own plasma, 1078
Pneumococcic septicemia, Neufeld reaction in certain cases of, 168
Pneumococcus and streptococcus vaccines, 218 (Abst.)
sodium desoxycholate for identification of, 218 (Abst.)
Pneumonia, 659, 1215 (Absts.)
incidence of bacteriemia in, 323 (Abst.)
lobar, 659 (Abst.)
streptococcus, 988 (Abst.)
tularemic, fatal case of, with associated ileitis, 1157
Pneumothorax treatment, artificial, and lung expansion, leucocyte count during, 660 (Abst.)
Poisoning, bichloride, treatment of, 660 (Abst.)
Polar diagram in charting incidence of disease, use of, 1303
Poliomyelitis, 770 (Abst.)
vaccination against, successful method for, 100 (Abst.)
Polychrome blood stain, a general purpose, 978
Polymorphonuclear neutrophilic leucocytes, production of basophilia of granules of, in experimental infection of rat, 1137
Postmortems and morbid anatomy, 879 (B. Rev.)
Precipitation tests, Kolmer-Wassermann, Kahn, and Eagle, a study of relative sensitivity and specificity of, 952
Pregnancy and syphilis, 983 (Abst.)
chemical diagnosis of, by detection of estrin in urine, 210
test for, 986 (Abst.)
Prematurity, anemia of, 103 (Abst.)
Pressure, thoracic duct lymph, in concretio cordis, 296
Procaine in cerebrospinal fluid, a method for microdetermination of, 1096

Protein, plasma, and cholesterol, studies of, 340
colorimetric determination of, modifications in, by Folin phenol reagent, 431
serum, colorimetric determination of, a modification of Greenberg technic for, 743
determination, a rapid method for routine, 1092
studies in atrophic (rheumatoid) and hypertrophic arthritis, 478
Proteinemia, Bence-Jones, in multiple myeloma, 984 (Abst.)
Proteus X-19, 1104 (Abst.)
Protozoa, method of staining, in bulk, 839
staining technic for, 1214 (Abst.)
Psoriasis, treatment for, simple, 1147
Pulmonary asbestosis, study of sputum in, 217 (Abst.)
blood flow in silicosis, clinical observations on, 1313 (Abst.)
Pyuria, 438 (Abst.)

Q

Quantitative and qualitative estimation of platelets in their own plasma, a method of, 1078
method, rapid, for examining the urine in renal disorders, 98 (Abst.)
Quarterly Bulletin of Health Organization, League of Nations, 105 (B. Rev.)
Quinine test for hyperthyroidism, 123

R

Rabies, 1213 (Abst.)
Reactions, complement fixation, influence of physiologic salines in, 1069
tuberculin, 1101 (Abst.)
Wassermann, a rapid method for preparing antigens for, 417
Rectal stricture, relation of lymphopathis venereum to, 328 (Abst.)
Red blood cell sedimentation rate in chronic sinusitis, chronic tonsillitis, and dental periapical infections, 1259
Renal disorders, urine in, rapid quantitative method for examining, 98 (Abst.)
function, 102, 1099 (Absts.)
'phthalein test for, 1103 (Abst.)
tests, 989 (E)
tuberculosis, 1102 (Abst.)
Respiratory chamber for producing anoxemia in man, 963
metabolism, effect of high carbohydrate diet and insulin on symptoms and, 505
Reticulocytes, 324 (Abst.)
circulating, lack of effect of liver treatment on, in pigeon, 660 (Abst.)
Rheumatic carditis with and without chorea, fever therapy in chorea and in, 619
child, institutional provisions for care of, discussion on, 618
diseases, American Association for the Study and Control of, 445-550, 551-628
organization in study and control of, 548 (E)
fever and rheumatoid arthritis, relationship between, 575
behavior of eosinophiles in, 225
geographic distribution of, and rheumatic heart disease in the United States, 588
nature of, 551
vitamin C deficiency in, an outline of studies relating to, 597
heart disease, geographic distribution of rheumatic fever and, in United States, 588
infection in children, influence of tonsils on, 609
Rheumatism, childhood, natural history of, in Minnesota, 564
fever therapy in treatment of gonorrheal arthritis, chronic infectious (atrophic) arthritis, and other forms of, present status of, 524
Rheumatoid arthritis and rheumatic fever, relationship between, 575
treatment of chronic, 221 (Abst.)
Rhinitis, vasomotor, leucopenic index in, 1274
Roentgenologic findings in various types of chronic arthritis, a study of, 491
Roentgenology, 880 (B. Rev.)
Roffo's test in cancer, 221 (Abst.)

S

Sahli hemoglobinometer, a new diluting pipette for, 755
Salines, physiologic, in complement fixation reactions, influence of, 1069
Salt solution, fragility of erythrocytes in, a method for measuring, 833
Scalp and hair, 879 (B. Rev.)
Scarlet fever, 875 (Abst.)
convalescent serum in, 326 (Abst.)
eosinophilia in, 323, 878 (Absts.)
Schick test, 1104 (Abst.)
Schilling's hemogram, 1296
Scurvy in children, subclinical, 43
Sedimentation, blood, a new method and a new pipette for, 971
rate, blood, in diabetes mellitus, 37
in middle-aged and old people, 1227
red blood cell, in chronic sinusitis, chronic tonsillitis, and dental periapical infections, 1259
test, 218 (Abst.)
Sensitivity, skin, effects of vaccine injections upon, a study of, 365
Septal defect, anterior interventricular, 128
Septicemia, pneumococcic, Neufeld reaction in certain cases of, 168
Serodiagnosis of syphilis, a new microreaction for, 1204
Serum, antipneumococcus, containing heterophile antibody, 721
mouse protection test for standardizing, 406
blood, phosphomolybdic acid centrifugates, calcium in, effect of hydrogen ion concentration upon determination of, 65
goat, antilymphogranuloma inguinale, a specific intradermal test with, 842
inorganic sulphate concentrations in Bright's disease, significance of, 380
protein, colorimetric determination of, a modification of Greenberg technic for, 743
determination, a rapid method for routine, 1092
Sexual maturity, age of, in 250 albino female rats, 1182
Shock, anaphylactic, prevention of, due to horse serum by injection of B. C. G., 359
Sickle cell, standardizing method of, 873 (Abst.)
Silicosis, 1313 (Abst.)
Sinusitis, chronic, red blood cell sedimentation rate in, chronic tonsillitis, and dental periapical infections, 1259
Skin reaction, Mitsuda's, in leprosy, 771 (Abst.)
to avian and human tuberculin proteins, 772 (Abst.)
sensitivity, effects of vaccine injections upon, a study of, 365
Slide test, rapid, for serologic diagnosis of typhoid and paratyphoid fevers, 411
Sodium citrate—a spirocheticide, 922
ferrocyanide as a clinical test for glomerular efficiency, 102 (Abst.)
microdetermination of, by uranyl zinc acetate method and titration of uranium with cadmium as reductant, 1198
Space restriction, animal growth and, 655
Spengler and Ziehl-Neelsen technics, comparison of, of staining tubercle bacillus, 844
Spermatozoa, staining of, a new one-minute method for, spirochetes, spirilla and related organisms, 1065
Spinal fluid, blood in, a staining technic for, 1208
diagnosis in, contaminated by blood, 100 (Abst.)
Wassermann-fastness of, in treated neurosyphilis, 328 (Abst.)

Spirilla, staining of, a new one-minute method for, spirochetes, spermatozoa, and related organisms, 1065
Spirocheticide—sodium citrate, 922
Spleen and resistance, 106 (B. Rev.)
puncture of, in diseases of blood, 1312 (Abst.)
Splenomegaly, chronic congestive, relation of, to Banti's disease, 217 (Abst.)
Sputum, study of, in pulmonary asbestosis, 217 (Abst.)
Stain, blood, a rapid universal, 930
polychrome blood, a general purpose, 978
Staining methods, 1212 (Abst.)
protozoa in bulk, method of, 839
technic for blood in spinal fluid, 1208
for protozoa, 1214 (Abst.)
Sterilizer, ring type, for use with tissue culture flasks, 939
Stomach, carcinoma of, diagnosis of, from a fragment of tumor obtained during routine gastric analysis, 836
Stopcocks, frozen, 847
Streptococci, fecal, and lactic acid streptococci, bacteriologic studies on, 111
inagglutinable, comparison of arthritis-producing ability of, 49
lactic acid, bacteriologic studies on fecal streptococci and, 111
that resemble diphtheroids, subacute bacterial endocarditis produced in rabbits with, 1264
Streptococcus, hemolytic, bactericidal action of irradiated oil of pine on, 1040
pneumonia, 988 (Abst.)
vaccines, and pneumococcus, 218 (Abst.)
Sucrose and glucose tolerance tests, a comparative study of, 13
ingestion on amino acid nitrogen and urea nitrogen concentration of blood, influence of, 233
Sugar, blood, in uncomplicated and untreated neurosyphilis, 404
level after prolonged carbohydrate feeding, 1142
determination, modification of Folin and Wu's method for, 1089
metabolism, morphologic, in human leucocyte culture, 163
Sulphate, serum inorganic, concentrations in Bright's disease, significance of, 380
Surgery, clinical, demonstrations of physical signs in, 444 (B. Rev.)
Surgical reports and slides, an improved system of filing, 1308
Suspensions, fine, of tubercle bacilli and other microorganisms, a mechanical device for preparing, 428
Synovial fluid in arthritis, characteristics, 1099 (Abst.)
Syphilis and pregnancy, 983 (Abst.)
antigen-extracts for some serodiagnostic tests on, influence of composition of, 751
color test for, new, 1190
complement fixation test for, a study of nonspecific reactions of cerebrospinal fluids with Bordet and Ruelens antigen in, 1185
congenital, 773 (Abst.)
diagnosis of, rapid flocculation method for, 934
serodiagnosis of, a new microreaction for, 1204
transmission of, by blood transfusion, factors conditioning, 877 (Abst.)

T

Table for use in pathologic histology, a round, 766
Temperature, influence of, upon iso-agglutination, on some practical consequences of, 729
Test, bromsulphalein dye retention, employment of oxalated plasma in, 1306
complement fixation, for gonorrhea, a more sensitive, 308
Test, complement fixation—Cont'd
for syphilis, a study of nonspecific reactions of cerebrospinal fluids with Bordet and Ruelens antigen in, 1185
congo red, for amyloidosis, an improved, 93
Dick, and blood agar cultures as aids in diagnosis of scarlet fever, 875 (Abst.)
fermentation, reliability of, in identification of monilias, 1105
for syphilis, new color, 1190
glucose and sucrose tolerance, a comparative study of, 13
heterophile antibody, in leucemia, 878 (Abst.)
Ide—new color test for syphilis, 1190
immunologic, in different forms of arthritis, results of various, 465
in vitro, with a number of chemicals on yeastlike organisms and other fungi, 288
intradermal, a specific, with antilymphogranuloma inguinale goat serum, 842
phagocytic, importance of leucocyte counts in, 760
'phthalein, for renal function, 1103 (Abst.)
precipitation, Kolmer-Wassermann, Kahn and Eagle, a study of relative sensitivity and specificity of, 952
quinine, for hyperthyroidism, 123
rapid slide, for serologic diagnosis of typhoid and paratyphoid fevers, 411
renal function, 989 (E)
sedimentation, 218 (Abst.)
serodiagnostic on syphilis (M. B. R. II and M.K.R II), influence of composition of antigen-extracts for some, 751
tuberculin, comparison of, 774 (Abst.)
Volhard dilution and McClure-Aldrich, water retention in obesity as determined by, 390
Thoracic duct lymph pressure in concretio cordis, 296
Thyroid and calcium medication in functional albuminuria, 221 (Abst.)
function, 1310 (Abst.)
gland, relation of, to hematopoiesis, 347
Thyroidectomy, experimental total, in rabbit, 347
Thyroxine, does calcium neutralize? 1131
Time clock, a synchronous motor electric, 757
Timing device, an inexpensive laboratory, 860
Tissue culture experiments, technic for obtaining human blood for, 940
flasks, ring type sterilizer for use with, 939
improved method for Dopa reaction, 876 (Abst.)
living, electronegativity of, cause and significance of, 1162
penetration, 109 (E)
work, Lidberg paraffin embedding oven for various types of, adaptability of, 830
Titrations, complement, inadequacy of present, 312
Tonsillitis, chronic, red blood cell sedimentation rate in chronic sinusitis, and dental periapical infections, 1259
Tonsils, influence of, on rheumatic infection in children, 609
Trachea and bronchi, foreign bodies in, bacterial flora associated with, 326 (Abst.)
Transfusion, blood, transmission of syphilis by, factors conditioning, 877 (Abst.)
Trichinosis, 328 (Abst.)
Trichomonas vaginalis, studies on, in vitro, 790
Tropical diseases, Manson's, 881 (B. Rev.)
Trypanosomiasis, animal, 1211 (Abst.)
Typhoid, 662 (Abst.)
and paratyphoid fevers, a rapid slide test for serologic diagnosis of, 411
vaccine, 325 (Abst.)
Tubercle bacilli, 325, 662 (Absts.)
and other microorganisms, mechanical device for preparing fine suspensions of, 428

Tubercle—Cont'd
bacillus, 1311 (Abst.)
progeny of, 1101 (Abst.)
Ziehl-Neelsen and Spengler technics of staining, comparison of, 844
Tuberculin reactions, 1101 (Abst.)
tests, comparison of, 774 (Abst.)
Tuberculosis, 329, 659, 660 (Absts.)
and malaria, dark-field illumination in diagnosis of, 421
renal, 1102 (Abst.)
spontaneous healing of, 987 (Abst.)
Tuberculous leptomeningitis, pathogenesis of, 1217
meningitis, 874 (Abst.)
Tularemia, 324 (Abst.)
Tularemic pneumonia, fatal case of, with associated ileitis, 1157
Tumors, breast, 874 (Abst.)
fragment of, obtained during routine gastric analysis, diagnosis of carcinoma of stomach from, 836
malignant epithelial, of neck, 985 (Abst.)
of urinary bladder, 444 (B. Rev.)

U

Ulcer, peptic, gastric mucin treatment of, 987 (Abst.)
Uranium, titration of, with cadmium as reductant, microdetermination of sodium by uranyl zinc acetate method and, 1198
Urea nitrogen and hemoglobin concentration of blood, influence of dextrose ingestion on amino acid nitrogen, 1
blood, response of, uric acid and plasma cholesterol to parenteral liver extract, 690
concentration, influence of sucrose ingestion on amino acid nitrogen and, of blood, 233
ratio as a measure of renal function, 1099 (Abst.)
Uric acid, response of blood urea nitrogen, and plasma cholesterol to parenteral liver extract, 690
Urinary bladder, tumors of, 444 (B. Rev.)
Urine, bacteriologic studies of, utilizing a selective method of culturing, 775
effects of hyperpyrexia on human blood count, blood chemistry and, 400
estrin in, chemical diagnosis of pregnancy by detection of, 210
in renal disorders, rapid quantitative method for examining, 98 (Abst.)
nitritis in detection and estimation of urobilinogen in, interference of, 1195
Urobilinogen in urine, interference of nitrites in detection and estimation of, 1195

V

Vaccination against poliomyelitis, successful method for, 100 (Abst.)
Vaccine injections, study of effects of, upon skin sensitivity, 365
typhoid, 325 (Abst.)
Valsalva, aortic sinus of, congenital thinning of wall or right anterior, 128
Vasomotor rhinitis, leucopenic index in, 1274
Vitamin C deficiency in rheumatic fever, an outline of studies relating to, 597
Volhard dilution and McClure-Aldrich tests, water retention in obesity as determined by, 390
Vulvovaginitis and oral thrush, cultural and morphologic studies of cryptococci and monilias isolated from, 1113

W

Wassermann and Kahn reactions, alleged variabilities of, from meteorologic changes, 910
-fastness of spinal fluid in treated neurosyphilis, 328 (Abst.)
reaction, rapid method for preparing antigens for, 417
Water retention in obesity as determined by Volhard dilution and McClure-Aldrich tests, 390
Waves, short and ultrashort, bactericidal action of, 31
Weather, pain and, 1247
Weight loss of tubes of certain pathogenic fungi growing on a specific medium, 785
Weil's disease, serologic diagnosis of, 987 (Abst.)
White blood cells, phospholipid content of, estimation of, 957
Whooping cough, blood picture in experimental, 99 (Abst.)
Woman asks the doctor, 108 (B. Rev.)
Wright's technic for determination of opsonic, modification of, 1203
Wu's, Folin and, method for sugar determination, modification of, 1089

X

Xylose tolerance, comparison of, with blood urea in nephritic rats, 1010

Z

Ziehl-Neelsen and Spengler technics of, comparison of, staining tubercle bacillus, 844